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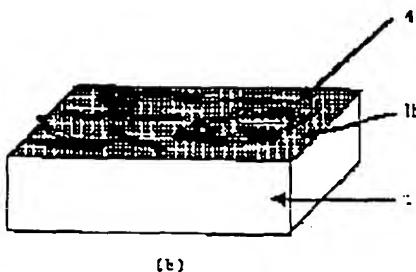
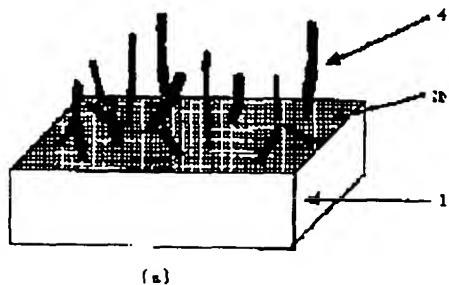
(21)Application number : 09-161292 (71)Applicant : CANON INC
 (22)Date of filing : 18.06.1997 (72)Inventor : DEN TORU

(54) PRODUCTION OF CARBON NANOTUBE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a method capable of growing a carbon nanotube uniform in characteristic and directional property at a relatively low temp., andunnecessitating a purifying treatment on a substrate.

SOLUTION: A growth starting area of the carbon nanotube 4 is previously formed on the surface 1b of the substrate 1 and a gaseous starting material containing a starting material for introducing carbon is introduced into a reaction vessel in a state in which the substrate is arranged in the reaction vessel, and the carbon nanotube is formed on the substrate by further generating a plasma by AC glow discharge in the reaction vessel, or the carbon nanotube is grown in narrow pores from growth nuclei at a bottom part of the narrow pores by providing the narrow pores in which the growth nuclei are arranged, and controlling the growth direction at the bottom of the substrate.



LEGAL STATUS

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